

# ABSTRACT OF SANITARY REPORTS.

VOL. IX.

WASHINGTON, D. C., JANUARY 12, 1894.

No. 2.

TREASURY DEPARTMENT, U. S. Marine-Hospital Service.—Published in accordance with act of Congress approved February 15, 1893.

## UNITED STATES.

[Reports to the Supervising Surgeon-General M. H. S.]

### *Smallpox in Nashville.*

January 8, 1894—I have the honor to report 5 cases of smallpox in this city.—RICHARD DOUGLAS, *Acting Assistant Surgeon.*

*Report of immigration at Boston for the weeks ended December 30, 1893, and January 6, 1894.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, Mass., January 2, 1894.*

*Number of alien immigrants who arrived at this port during the week ended December 30, 1893; also the name of vessel and the port from which it arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1893. Dec. 29...	Steamship Catalonia.....	Liverpool, England.....	48

*Port of Boston, Mass., January 8, 1894.*

*Number of alien immigrants who arrived at this port during the week ended January 8, 1894; also names of vessels and ports from which they arrived.*

Date.	Vessels.	Where from.	No. of immigrants.
1894. Jan. 1	Steamship Lake Ontario..... Steamship Barnwall.....	Liverpool, England..... Hamburg, Germany.....	5 151
	Total .....		156

**S. C. WRIGHTINGTON,**  
*Commissioner of Immigration.*

*Report of immigration at New York for the week ended January 6, 1894.***OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
Port of New York, Janaary 8, 1894.***Number of alien immigrants who arrived at this port during the week ended January 6, 1894; also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1893.			
Dec. 31	Steamship America.....	Bremen.....	188
31	Steamship Darmstadt.....	.....do.....	184
31	Steamship New York.....	Southampton.....	82
31	Steamship Venetia.....	Stettin, etc.....	42
31	Steamship Rhynland.....	Antwerp.....	127
31	Steamship Columbi.....	Genoa and Naples.....	176
31	Steamship La Bourgogne.....	Havre .....	68
1894.			
Jan. 2	Steamship Peruvian.....	Glasgow.....	144
3	Steamship Gallia.....	Liverpool.....	49
3	Steamship Russia.....	Hamburg.....	157
3	Steamship Westernland.....	Antwerp.....	105
4	Steamship Amalfi.....	Hamburg.....	58
4	Steamship Weimar.....	Bremen.....	173
4	Steamship Belgravia.....	Naples.....	426
5	Steamship Obdam.....	Rotterdam.....	117
5	Steamship Schiedam.....	Amsterdam.....	53
5	Steamship Trave .....	Bremen.....	94
6	Steamship Britannic.....	Liverpool.....	52
6	Steamship Grecian.....	Glasgow .....	48
	Total.....		2,338

**Dr. J. H. SENNER,  
Commissioner of Immigration.***Report of immigration at Philadelphia for the week ended January 6, 1894.***OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
Port of Philadelphia, Pa., January 6, 1894.***Number of alien immigrants who arrived at this port during the week ended January 6, 1894; also the names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1894.			
Jan. 1	Steamship Illinois.....	Antwerp.....	132
5	Steamship Indiana .....	Liverpool.....	31
	Total.....		163

**JNO. J. S. RODGERS,  
Commissioner of Immigration.***Reports of States and yearly and monthly reports of cities.*

**CALIFORNIA—Los Angeles.**—Month of December, 1893. Population, 65,000. Total deaths, 115, including phthisis pulmonalis, 18; enteric fever, 8; and diphtheria, 2.

**FLORIDA—Pensacola.**—Month of December, 1893. Estimated population, 15,000. Total deaths, 32, including 5 from phthisis pulmonalis.

**IOWA.**—Month of November, 1893. From the Monthly Bulletin for December, the following mortuary report is extracted :

*Cedar Rapids*.—Consumption, 2; pneumonia, 5; whooping cough, 1; puerperal fever, 1; typhoid fever, 1; cholera infantum, 1; la grippe, 1; old age, 5; cancer, 2. Total deaths, 16. Population, 2,500. Death rate per 1,000, 0·66. For October, 0·53.

*Clinton*.—Consumption, 2; pneumonia, 1; meningitis, 1; cancer, 1; typhoid fever, 1; malarial fever, 1. Total deaths, 22. Population, 23,000. Death rate per 1,000, 0·95. For October, 0·35.

*Boone*.—Diphtheria, 2; scarlet fever, 1; typhoid fever, 1. Total deaths, 11. Population, 10,000. Death rate per 1,000, 1·1.

*Davenport*.—Diphtheria, 3; typhoid fever, 1; whooping cough, 2; malarial fever, 3; consumption, 4; pneumonia, 5; la grippe, 2; meningitis, 2; cancer, 1; old age, 7. Total deaths, 53. Population, 34,000. Death rate per 1,000, 1·5. For October, 1·2.

*Des Moines*.—Consumption, 2; pneumonia, 2; diphtheria, 2; typhoid fever, 2; la grippe, 1; old age, 5. Total deaths, 34. Population, 75,846. Death rate per 1,000, 0·44. For October, 0·77.

*Dubuque*.—Diphtheria, 8; typhoid fever, 1; consumption, 4; pneumonia, 4; cancer, 4. Total deaths, 38. Population, 40,000. Death rate per 1,000, 0·97. For October, 0·97.

*Keokuk*.—Consumption, 2; typhoid fever, 1; meningitis, 1; la grippe, 1. Total deaths, 11. Population, 20,000. Death rate per 1,000, 0·5. For October, 0·6.

*Mason City*.—Consumption, 2; pneumonia, 1; old age, 2. Total deaths, 6. Population, 5,500. Death rate per 1,000, 0·2. For October, 0·1.

*Ottumwa*.—Consumption, 1; typhoid fever, 1; cholera infantum, 1. Total deaths, 14. Population, 17,000. Death rate per 1,000, 0·8. For October, 1·6.

*Sioux City*.—Consumption, 5; typhoid fever, 1; cholera infantum, 2. Total deaths, 20. Population (estimated), 37,500. Death rate per 1,000, 0·53.

**KENTUCKY—Louisville**.—Month of December, 1893. Estimated population, 200,000. Total deaths, 335, including phthisis pulmonalis, 28; enteric fever, 9; croup, 3, and whooping cough, 2.

**MARYLAND—Baltimore**.—Month of December, 1893. Population, 455,427, including white, 384,394; colored, 71,033. Deaths—white, 671; colored, 175; total, 846, including phthisis pulmonalis, 82; enteric fever, 12; scarlet fever, 11; diphtheria, 19; croup, 2; and whooping cough, 2.

**MICHIGAN**.—Month of December, 1893. Reports to the State board of health, Lansing, compared with the preceding month, indicate that pleuritis, pneumonia, influenza, and erysipelas increased, and typhoid fever, remittent fever, and intermittent fever decreased in area of prevalence. Compared with the average for the month of December in the seven years, 1886-1892, influenza, pleuritis, and scarlet fever were more prevalent, and remittent fever, intermittent fever, consumption, and erysipelas were less prevalent in December, 1893. Including reports by regular observers and others, scarlet fever was reported present in the month of December, 1893, at 86 places; typhoid fever at 48 places; diphtheria at 46 places; and measles at 14 places; consumption was reported present by 37 per cent of the observers making weekly card reports.

Reports from all sources show typhoid fever reported at 40 places less; diphtheria at 28 places less; scarlet fever at 9 places less, and measles at 2 places more in the month of December, 1893, than in the preceding month.

*Grand Rapids.*—Month of December, 1893. Population, 90,000. Total deaths, 125, including phthisis pulmonalis, 17; enteric fever, 5; scarlet fever, 1; diphtheria, 1; and croup, 1.

*MINNESOTA—Winona.*—Month of December, 1893. Population, 20,000. Total deaths, 29, including phthisis pulmonalis, 4; and scarlet fever, 1.

*NEW YORK.*—Month of November, 1893. Reports to the State board of health from 8 districts, including New York City, Brooklyn, and 152 other cities, towns, and villages, show a total of 8,458 deaths, including phthisis pulmonalis, 955; smallpox, 27; enteric fever, 180; scarlet fever, 77; croup and diphtheria, 700; measles, 56; and whooping cough, 50.

The reported mortality for the month has further decreased from the low daily average of 290 in October to one of 281, which is the same as that of November, 1892. This is uniformly the healthiest month in the year in this State, the number of deaths daily being less during November by 25 than the daily average for the past eight years. Compared with November, 1892, the zymotic mortality and also the infant mortality, is lower. Both are also lower than during the month of October. Typhoid fever caused the same number of deaths as a year ago and 75 fewer deaths than in October. Scarlet fever continues, with little change, to be less prevalent than last year.

There is an increase in measles since October, chiefly in New York City. Diphtheria caused the same mortality as in last November, but shows a marked continuance of the increase in prevalence since August, causing 100 more deaths than in October. The same relative increase occurred in 1892. Deaths are reported from 44 towns not noted in the Bulletin list, chiefly in the central part of the State, the chief increase, however, being in some of the larger cities. Diarrheal diseases caused hardly one-fourth the mortality from this cause of October. Smallpox exists, outside of the metropolitan center, in Warwick, Greenburg, and White Plains, where single cases are reported, and at Islip, where 2 deaths occurred. There were 955 deaths from consumption, against 1,070 in October. There are uniformly fewer deaths from it at this season. Acute respiratory diseases have, as usual, increased, the mortality being 1,242, against 947 in October. Another return of epidemic influenza has occurred, but has not impressed itself upon the mortality of the month, though a few deaths attributed to it were reported. The death rate for the month from all causes is 15.35, against 15.83 in October.

*OHIO.*—Month of November, 1893. Reports to the State board of health from 75 cities, towns, and villages, having an aggregate popula-

DETROIT, MICH.

tion of 1,384,258, show a total of 1,934 deaths, including phthisis pulmonalis, 221; enteric fever, 68; scarlet fever, 17; croup and diphtheria, 157; and whooping cough, 9.

*Cincinnati*.—Month of December, 1893. Estimated population, 325,000. Total deaths, 667, including phthisis pulmonalis, 84; enteric fever, 17; scarlet fever, 1; diphtheria, 18; croup, 5; and whooping cough, 6.

*Cleveland*.—Month of December, 1893. Estimated population, 290,000. Total deaths, 487, including phthisis pulmonalis, 32; enteric fever, 10; scarlet fever, 5; diphtheria, 14; croup, 20; and whooping cough, 2.

*Dayton*.—Month of December, 1893. Population, 75,000. Total deaths, 103, including enteric fever, 1; phthisis pulmonalis, 7; diphtheria, 9; and croup, 1.

**PENNSYLVANIA**—*Williamsport*.—Month of December, 1893. Population, 27,132. Total deaths, 31, including enteric fever, 3; and diphtheria, 2.

#### PUBLICATIONS RECEIVED.

Proceedings and addresses at a sanitary convention held at Hillsdale, Michigan, July 6 and 7, 1893.

Les Sciences Médicales dans L'Argentine.

Les Institutions Sanitaires dans la République Argentine.

## MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pul- monalis.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Auburn, N. Y.	Jan. 6...	25,858	8	1							1		
Baltimore, Md.	Jan. 6...	431,439	223	25							4	13	
Binghamton, N. Y.	Jan. 6...	38,000	20	1							3	12	1
Boston, Mass.	Jan. 6...	448,477	277	30							5	3	1
Brooklyn, N. Y.	Dec. 30...	806,343	370	47							7	7	1
Chicago, Ill.	Dec. 2...	1,099,850	404	38	1						12	4	2
Chicago, Ill.	Dec. 9...	1,099,850	507	43	1						9	3	21
Chicago, Ill.	Dec. 16...	1,099,850	446	50							8	10	1
Chicago, Ill.	Dec. 23...	1,099,850	498	49	2						16	6	30
Chicago, Ill.	Dec. 30...	1,099,850	710	73	8						3	1	5
Cincinnati, Ohio.	Jan. 5...	296,908	111	19								5	
Cleveland, Ohio.	Dec. 30...	290,000	71	3								2	
Cleveland, Ohio.	Jan. 6...	290,000	88	5								4	
Detroit, Mich.	Jan. 6...	205,876	85								2	2	1
Erie, Pa.	Jan. 6...	40,634	15	3									5
Fall River, Mass.	Jan. 6...	87,773	40	3									1
Galveston, Tex.	Dec. 23...	29,084	17										
Indianapolis, Ind.	Dec. 16...	105,436	46	1								5	
Indianapolis, Ind.	Dec. 23...	105,436	41	6							2	4	
Indianapolis, Ind.	Dec. 30...	105,436	37	2							2	4	
Indianapolis, Ind.	Jan. 6...	105,436	46	5							3	4	
Milwaukee, Wis.	Jan. 6...	260,000	86	12							3	1	1
Minneapolis, Minn.	Jan. 6...	164,738	43	5							1		
Mobile, Ala.	Dec. 30...	31,076	25	2									
Mobile, Ala.	Jan. 6...	31,076	18	1									1
Nashville, Tenn.	Jan. 6...	76,306	26	5									
Newark, N. J.	Dec. 16...	200,000	84	12							1	4	4
Newark, N. J.	Dec. 23...	200,000	75								1	3	6
Newark, N. J.	Jan. 6...	200,000	10								2	1	
New Orleans, La.	Dec. 30...	245,000	176	21							2	5	
New York, N. Y.	Jan. 6...	1,515,301	878	111	2						5	11	59
Omaha, Nebr.	Dec. 9...	140,452	24	2							3		
Omaha, Nebr.	Dec. 16...	140,452	29	1							1	1	2
Omaha, Nebr.	Dec. 23...	140,452	13	4									
Omaha, Nebr.	Dec. 30...	140,452	23	4								4	
Pensacola, Fla.	Dec. 30...	11,750	6	2									
Philadelphia, Pa.	Dec. 23...	1,046,964	538	54							4	3	7
Philadelphia, Pa.	Dec. 30...	1,046,964	610	64							7	2	18
Pittsburg, Pa.	Dec. 30...	236,617	102	7							1	3	1
Portland, Me.	Dec. 30...	40,000	24										
Portland, Me.	Jan. 6...	40,000	4										
Providence, R. I.	Jan. 6...	148,944	99								1	3	
Richmond, Va.	Dec. 30...	81,388	43	7									
Rochester, N. Y.	Jan. 6...	81,388	34	3									
Rochester, N. Y.	Jan. 6...	133,896	52	9							1	1	1
San Diego, Cal.	Dec. 23...	16,153	6										
San Francisco, Cal.	Dec. 30...	298,967	105										
Toledo, Ohio.	Jan. 5...	90,000									1	1	2
Washington, D. C.	Dec. 30...	230,392	119	14							6	5	1
Yonkers, N. Y.	Dec. 23...	32,033	15	4									
Youngstown, Ohio.	Dec. 30...	15,000	56	2							1	1	1

## Table of temperature and rainfall, week ended January 1, 1894.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hun- dredths.		
	Normal.	*Excess.	*Defic'ny.	Normal.	Excess.	Deficiency.
<b>New England States:</b>						
Eastport, Me.	24		1	'92		'99
Portland, Me.	22	1		'77		'19
Northfield, Vt.	19		1	'78		'64
Boston, Mass.	29	0		'84		'55
Nantucket, Mass.	33	1		'84		'34
Block Island, R. I.	34		1	'92		'46
New London, Conn.	31		1	'89		'32
<b>Middle Atlantic States:</b>						
Albany, N. Y.	27		2	'63		'30
New York, N. Y.	33		0	'78		'42
Philadelphia, Pa.	34	1		'64		'13
Atlantic City, N. J.	34	3		'91		'52
Baltimore, Md.	36	3		'70		'15
Washington, D. C.	35	5		'70		'17
Lynchburg, Va.	38	7		'85 '00		
Norfolk, Va.	41	3		'84		'57
<b>South Atlantic States:</b>						
Charlotte, N. C.	40	8		1'12		'82
Raleigh, N. C.	42	6		'70		'32
Wilmington, N. C.	46	7		'84		'04
Charleston, S. C.	49	7		'85 1'18		
Augusta, Ga.	48	7		'85 '52		
Savannah, Ga.	50	8		'84 '68		
Jacksonville, Fla.	53	8		'77 1'72		
Titusville, Fla.	61	4		'65 '08		
Jupiter, Fla.	67	2		'46 '64		
Key West, Fla.	69	3		'42 '24		
<b>Gulf States:</b>						
Atlanta, Ga.	41	4		1'20 '08		
Pensacola, Fla.	54	3		1'12		'91
Mobile, Ala.	52	4		1'05		1'03
Montgomery, Ala.	49	4		1'18		'50
Vicksburg, Miss.	46	6		1'19 '47		
New Orleans, La.	55	3		1'12		1'12
Shreveport, La.	45	6		1'69		1'09
Fort Smith, Ark.	40	5		'64		'58
Little Rock, Ark.	42	3		'97		'91
Palestine, Tex.	45	8		'83		'83
Galveston, Tex.	55	5		'98		'45
San Antonio, Tex.	53	4		'35		'29
Corpus Christi, Tex.	50	13		'61		'61
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.	39	7		1'03		'95
Nashville, Tenn.	39	1		'96		'79
Chattanooga, Tenn.†						
Knoxville, Tenn.	39	5		1'10		'58
Louisville, Ky.	34	4		'91		'45
Indianapolis, Ind.	30	4		'70		'56
Cincinnati, Ohio.	34	3		'74		'00
Columbus, Ohio.	31	3		'71		'40
Pittsburg, Pa.	33	2		'64		'21
<b>Lake Region:</b>						
Oswego, N. Y.	26		2	'76		'43
Rochester, N. Y.	26	0		'64		'15
Buffalo, N. Y.	27		1	'70		'12
Erie, Pa.	30		0	'71		'36
Cleveland, Ohio.	28	3		'56		'30
Sandusky, Ohio.	29	3		'55		'37
Toledo, Ohio.	28	2		'55		'34
Detroit, Mich.	28		1	'56		'38
Port Huron, Mich.	25	1		'49		'28
Alpena, Mich.	21		1	'56		'05
Marquette, Mich.	20		3	'48		'24
Green Bay, Wis.	19		1	'63 '09		
Grand Haven, Mich.	27	2		'56		'11
Milwaukee, Wis.†						
Chicago, Ill.	27	3		'49		'38
Duluth, Minn.	13		1	'28		'14
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.	14		0	'28 '03		
La Crosse, Wis.	19	5		'29		'19
Dubuque, Iowa.	21	8		'42		'37
Davenport, Iowa.	24	6		'35		'21

\*The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.

†Reports missing.

Table of temperature and rainfall, week ended January 1, 1894—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hun- dredths.		
	Normal.	*Excess.	*Defic'ncy.	Normal.	Excess.	Deficiency.
<b>Upper Mississippi Valley—Cont'd.</b>						
Des Moines, Iowa.....	21	9	.....	.30	.....	.24
Keokuk, Iowa.....	24	9	.....	.48	.....	.40
Springfield, Ill.....	30	3	.....	.62	.....	.59
Cairo, Ill.....	36	2	.....	.78	.....	.55
St. Louis, Mo.†.....	.....	.....	.....	.....	.....	.....
<b>Missouri Valley:</b>						
Springfield, Mo.....	34	6	.....	.49	.....	.38
Kansas City, Mo.....	30	8	.....	.27	.....	.25
Concordia, Kans.....	28	10	.....	.15	.....	.15
Omaha, Nebr.....	22	9	.....	.21	.....	.18
Yankton, S. Dak.....	19	4	.....	.13	.....	.01
Valentine, Nebr.....	20	3	.....	.20	.....	.20
Huron, S. Dak.....	13	2	.....	.14	.....	.05
Pierre, S. Dak.....	14	8	.....	.14	.....	.13
Moorehead, Minn.....	5	.....	3	.21	.....	.13
St. Vincent, Minn.....	0	.....	2	.20	.....	.00
Bismarck, N. Dak.....	9	5	.....	.14	.03	.....
<b>Rocky Mountain Slope:</b>						
Havre, Mont.....	10	16	.....	.15	.07	.....
Helena, Mont.....	20	10	.....	.28	.....	.23
Rapid City, S. Dak.....	27	1	.....	.07	.....	.07
Spokane, Wash.....	26	2	.....	.63	.....	.03
Walla Walla, Wash.....	35	3	.....	.55	.....	.11
Winnemucca, Nev.....	30	.....	2	.34	.....	.29
Salt Lake City, Utah.....	32	.....	2	.41	.04	.....
Cheyenne, Wyo.....	27	2	.....	.07	.....	.07
North Platte, Nebr.....	24	3	.....	.14	.....	.14
Denver, Colo.....	31	2	.....	.17	.....	.10
Pueblo, Colo.....	32	.....	0	.13	.....	.12
Dodge City, Kans.....	29	9	.....	.14	.....	.08
Abilene, Tex.....	42	8	.....	.15	.....	.05
Santa Fe, N. Mex.....	30	2	.....	.13	.....	.05
El Paso, Tex.....	40	4	.....	.14	.....	.14
Tucson, Ariz.....	50	.....	6	.20	.....	.20
<b>Pacific Coast:</b>						
Port Angeles, Wash.....	36	3	.....	1.26	.....	.76
Olympia, Wash.†.....	.....	.....	.....	.....	.....	.....
Portland, Oreg.....	40	0	.....	1.78	.....	1.16
Roseburg, Oreg.....	42	.....	4	1.54	.....	.53
Red Bluff, Cal.....	46	.....	2	1.18	.....	.92
Sacramento, Cal.....	47	.....	5	.97	.....	.77
San Francisco, Cal.....	51	.....	6	1.25	.....	.73
Fresno, Cal.....	45	.....	1	.35	.....	.06
Keeler, Cal.....	42	.....	6	.07	.....	.71
Los Angeles, Cal.....	54	.....	3	.89	1.00	.....
San Diego, Cal.....	55	.....	3	.55	.47	.....
Yuma, Ariz.....	55	.....	5	.08	.04	.....

\*The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.

† Reports missing.

January 12, 1894.

## FOREIGN.

[Reports received from the United States consuls through the Department of State and from other sources.]

## BRAZIL.

*Relative to cholera in Brazil during the past summer.*

U. S. CONSULATE-GENERAL,

*Rio de Janeiro, December 6, 1893.*

SIR: Inclosed please find report for week ended December 2, 1893, which shows an increase of 27 deaths over the previous week, though there is no epidemic here. The health of the port is remarkably good for this time of the year, due, I believe, to the unusually low range of the thermometer and the late excessive rains.

I have your letter of October 28 last, making inquiries as to the cholera in Sao Paulo at the end of August last. Since receiving my appointment there has been no case of cholera reported in any part of Brazil. At the end of August an emigrant ship from Italy brought the cholera with her, which broke out in less than a dozen cases in Sao Paulo, a city four hours by rail from the seacoast, and 2,900 feet above the sea level.

All the immigrants were at once isolated from the rest of the population, and the sick from the well; disinfection of clothing, baggage, persons, and everything rigorously performed daily, and the quarantine continued for fifteen days after the last case was well. The ship was at once sent back, as well as another one which soon after arrived with cholera aboard. This last was not allowed to communicate with the shore, but was sent off under escort of a vessel of war.

By these means the spread of the disease was prevented, and since that time not even a case of so called cholera has been reported. About the same time a clerk in the general post-office in this city was suddenly attacked with colic and watery diarrhea, which was at once pronounced to be cholera, but in six hours he was as well as ever. It was a clear case of indigestion. I shall keep a lookout for cholera, and at once notify you in case of necessity.

As for yellow fever, there has been no epidemic this year. The mortality returns always show a few cases, but that now appears to be the normal state of affairs here. I have not heard of one case aboard any vessel in this port for many months. The cases which do occur are mostly confined to foreign laborers and people of the least protected class.

Respectfully yours,

R. CLEARY, M. D.,  
*Sanitary Inspector, M. H. S.*

To the SUPERVISING SURGEON-GENERAL M. H. S.

*Sanitary report from Rio de Janeiro.*

U. S. CONSULATE-GENERAL,

*Rio de Janeiro, December 12, 1893.*

SIR: I have the honor to inclose report for the week ended December 9, 1893. Whilst the number of deaths from yellow fever remains the same, the general total is 61 less than during the previous week; whereas,

at this time of the year it is usual for the death number to steadily increase. I have heard of no case of the disease amongst the shipping.

Respectfully, yours,

R. CLEARY, M. D.,  
*Sanitary Inspector M. H. S.*

To the SUPERVISING SURGEON GENERAL M. H. S.

CUBA.

*Smallpox in Havana.*

HAVANA, CUBA, January 6, 1893.—Smallpox increasing in Havana and adjacent towns.—D. W. BURGESS, *Sanitary Inspector, M. H. S.*

INDIA.

*Quarantine rules against cholera.*

[Indian Medical Gazette, December, 1893.]

The following rules for quarantine against cholera, which have been made by the Bombay Government in exercise of the power conferred by section 1, act 1 of 1870, with the previous sanction of the governor-general in council, are published for general information:

The rules have effect from the 10th of October, 1893, as a temporary measure, in the ports of Aden, Perim, and the Somali coast.

(1) The commander of every vessel, including buggalows or other native craft, arriving from all ports on the Arabian coast of the Red Sea, shall, before entering the harbor, indicate by signal the port from which such vessel has come.

(2) Such commander shall not, except as hereinafter provided, allow any communication, either with the pilot boat, except orally, or with the shore, or with any other vessel or boat in the harbor.

(3) Immediately on arrival the commander shall cause the letter R of the Commercial Signal Code to be hoisted, and shall keep the said flag flying during his stay in port or until authorized by the health officer to haul it down. If communication with the shore is not desired, the vessel shall anchor at such place as may be pointed out by the port authorities, having regard to the season of the year. If communication with the shore is desired, the health officer shall go alongside the vessel, and, after all necessary inquiries, shall direct the commander to take the vessel to the quarantine anchorage duly appointed and notified in that behalf by the resident, there to remain for a period of seven days from the date of arrival or for the shorter period prescribed in Rule 4, and undergo disinfection, which should apply as well to crew, passengers, effects, and susceptible goods.

(4) If the health officer of the port has sufficient evidence that no cases of a suspicious nature have taken place on board during the voyage, and if the vessel is besides in good hygienic condition, the duration of the quarantine will be diminished according to the following scale: After eight days of voyage, six days of quarantine; after nine days of voyage, five days of quarantine; after ten days of voyage, four days of quarantine; after eleven days of voyage, three days of quarantine; after twelve days of voyage, two days of quarantine; after thirteen days of voyage and upward, twenty-four hours of quarantine.

(5) If during the period a vessel is at the quarantine anchorage aforesaid any case or cases of cholera should occur, the said vessel shall

remain in quarantine for a period of seven days from the date of the last case occurring, and be subject to all the prohibitions provided for in Rule 3.

(6) When any vessel has been placed in quarantine as aforesaid, the health officer may direct the removal of so many of the passengers and crew as may not be suffering from illness, and whose services may not be required on board the vessel, to such particular spots as may from time to time be selected by the resident as places of quarantine, there to remain for a period of seven days. If a case of cholera occurs among such passengers and crew during any such period, they shall remain in a place of quarantine for a period of fifteen days from the date of the occurrence of the last case of such illness.

(7) Any mails or cargo which may be brought by any vessel so arriving shall be landed under such precautions as the health officer may deem necessary to prevent the spread of the disease.

(8) It will be the duty of the port officer to facilitate the conveyance to all vessels in quarantine of such supplies of provisions, stores, and other articles as may be required by those on board. Such supplies will be placed on the boats of the vessels in quarantine to be subsequently removed by members of their crews.

(9) All vessels arriving at Aden, Perim, and the Somali coast, which may have communicated with vessels coming from all ports in the Arabian coast of the Red Sea, shall be subjected to the same quarantine as vessels arriving at Aden, Perim, and the Somali coast from such ports.

(10) All vessels which have undergone quarantine in the manner above prescribed should have the fact clearly stated on their bills of health.

#### ITALY.

##### *Cholera in Palermo.*

U. S. CONSULATE,  
*Palermo, Italy, December 5, 1893.*

SIR: I have the honor to state that since my last report on cholera, dispatch No. 26, there has been a fresh outbreak of cholera at Palermo, confined to a small district (suburban). As a result, there have been 25 deaths. It is thought that the water had much to do with it, as in this particular district the people used water that came from a spring near a cemetery. There have not been any cases now in several days. Dr. Young has been duly informed as to the situation, and owing to the location of the district infected and the cold weather, he saw no reason why it should interfere with the shipping of fruit, and consequently business was not suspended.

I have the honor to be, sir, your obedient servant,

WILLIAM H. SEYMOUR,  
*U. S. Consul.*

To the Hon. JOSIAH QUINCY,  
*Assistant Secretary of State.*

#### NOVA SCOTIA.

##### *Arrival of immigrants at Halifax.*

HALIFAX, NOVA SCOTIA, January 8, 1894.—*Numidian* arrived. Nineteen immigrants for United States; all well. Baggage disinfected by steam and sulphur.—D. H. INGRAHAM, *U. S. Consul-General.*

## RUSSIA.

*Cholera in Odessa.*

## U. S. CONSULATE,

*Odessa, Russia, December 10, 1893.*

SIR: I have this day cabled the Department as follows:

"State Department, Washington, District Columbia: Cholera, official. Heenan."

It was officially announced to-day that cholera existed in this city. There were 3 cases and 2 deaths between the 5th and the 8th of December. I heard a few days ago of one of these deaths, but it was not possible to state positively that cholera was the cause until the official report was made public. I am informed that no other cases exist here, and I do not believe that the disease will become epidemic. In the country surrounding Odessa cholera has existed all summer, and it also exists in the neighboring governments of Bessarabia, Taunda (Crimea), Podolia, and elsewhere. Should the disease become epidemic here I will promptly advise the Department.

I am, sir, your obedient servant,

THOS. E. HEENAN,  
*U. S. Consul.*To the Hon. JOSIAH QUINCY,  
*Assistant Secretary of State.*

## U. S. CONSULATE,

*Odessa, Russia, December 14, 1893.*

SIR: I have the honor to report 3 new cases of Asiatic cholera and 2 deaths in this city between the 8th and 12th of the month, making in all 6 cases and 4 deaths officially reported. I can not conceal from the Department the fact that considerable uneasiness prevails here amongst the inhabitants. All of the cases thus far reported occurred among well-to-do people and not among the lower classes. There is a sort of feeling that the authorities are holding back something, and that cholera is more prevalent than the official reports show.

I am not in a position to express an opinion on this point.

I am, sir, your obedient servant,

THOS. E. HEENAN,  
*U. S. Consul.*To the Hon. JOSIAH QUINCY,  
*Assistant Secretary of State.*

## TURKEY IN ASIA.

*Cholera at Trebizon and Amasia.*

Under date of December 9, 1893, the U. S. consul at Sivas, Turkey, writes as follows: "Severe epidemics of cholera exist at Trebizon and at Amasia, but I have not been able to get any official statistics."

## STATISTICAL REPORTS.

CANADA—Ontario—Hamilton.—Month of December, 1893. Population, 50,000. Total deaths, 100. No deaths reported from contagious diseases.

**FRANCE—Nice.**—Month of November, 1893. Population, 97,720. Total deaths, 131, including phthisis pulmonalis, 17; enteric fever, 3; and diphtheria, 4.

**GREAT BRITAIN—England and Wales.**—The deaths registered in 33 great towns of England and Wales during the week ended December 23 corresponded to an annual rate of 24.7 a thousand of the aggregate population, which is estimated at 10,327,846. The lowest rate was recorded in Blackburn, viz., 13.5, and the highest in Liverpool, viz., 34.9 a thousand.

**London.**—Two thousand one hundred and seventy deaths were registered during the week, including smallpox, 1; measles, 49; scarlet fever, 32; diphtheria, 63; whooping cough, 74; enteric fever, 24; and diarrhea and dysentery, 15. The deaths from all causes corresponded to an annual rate of 26.3 a thousand. In greater London 2,748 deaths were registered, corresponding to an annual rate of 24.5 a thousand of the population. In the "outer ring" the deaths included smallpox, 2; diphtheria, 14; whooping cough, 17; scarlet fever, 6; and measles, 4.

**Ireland.**—The average annual death rate represented by the deaths registered during the week ended December 23 in the 16 principal town districts of Ireland was 24.7 a thousand of the population. The lowest rate was recorded in Dundalk, viz., 12.6, and the highest in Armagh, viz., 56.1 a thousand. In Dublin and suburbs 204 deaths were registered, including typhus fever, 1; measles, 1; whooping cough, 6; and enteric fever, 8.

**Scotland.**—The deaths registered in 8 principal towns during the week ended December 23 corresponded to an annual rate of 22.3 a thousand of the population, which is estimated at 1,447,500. The lowest mortality was recorded in Greenock, viz., 19.1, and the highest in Dundee, viz., 27.1 a thousand. The aggregate number of deaths registered from all causes was 629, including smallpox, 2; scarlet fever, 7; diphtheria, 10; whooping cough, 27; and fever, 6.

**GUIANA—Paramaribo.**—Month of October, 1893. Population, 29,231. Total deaths, 81. No deaths reported from contagious diseases.

**INDIA—Singapore.**—Month of October, 1893. Total deaths, 497, including smallpox, 2; fever, 145.

**MALTA AND Gozo.**—Two weeks ended November 30, 1893. Total deaths, 222, including enteric fever, 1; diphtheria, 2; and whooping cough, 1.

**SWITZERLAND—Lucerne.**—Month of November, 1893. Population, 22,000. Total deaths, 37, including 3 from diphtheria.

**TURKEY—Constantinople.**—Month of November, 1893. Total deaths, 1,396, including cholera, 303; and smallpox, 9.

## MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—						
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.
Acapulco.....	Dec. 27.....	4,000.....	6.....				1.....			
Aden.....	Dec. 9.....	35,000.....	22.....					3.....	2.....	
Aix-la-Chapelle.....	Dec. 16.....	108,062.....	50.....					3.....	1.....	1.....
Alexandria.....	Dec. 7.....	231,396.....	209.....	1.....	1.....			3.....	1.....	3.....
Amsterdam.....	Dec. 23.....	426,480.....	164.....					3.....	1.....	
Antwerp.....	Dec. 23.....	248,296.....	99.....	1.....				6.....		
Bagdad.....	Nov. 18.....		29.....				9.....			
Bagdad.....	Nov. 25.....		27.....				8.....			
Bamberg.....	Dec. 2.....	37,531.....	13.....							
Basle.....	Dec. 16.....	78,000.....	35.....				1.....			
Belfast.....	Dec. 16.....	265,123.....	149.....				3.....	2.....	1.....	6.....
Belleville.....	Dec. 30.....	10,201.....	3.....							7.....
Berlin.....	Dec. 9.....	1,750,000.....	754.....				3.....	11.....	47.....	18.....
Birmingham.....	Dec. 23.....	487,897.....	244.....				3.....	1.....	2.....	
Bologna.....	Dec. 23.....	121,979.....	70.....						3.....	8.....
Bordeaux.....	Dec. 24.....	232,415.....	134.....	1.....					1.....	6.....
Bradford.....	Dec. 16.....	221,610.....	94.....				2.....	1.....	1.....	5.....
Bradford.....	Dec. 23.....	221,610.....	79.....					1.....		2.....
Bremen.....	Dec. 16.....	127,000.....	61.....					1.....	1.....	3.....
Brunswick.....	Dec. 16.....	110,500.....	42.....							
Brunswick.....	Dec. 23.....	110,500.....	55.....							
Brussels.....	Dec. 16.....	483,081.....	160.....				2.....			2.....
Cairo.....	Dec. 7.....	374,838.....	338.....				1.....	7.....	5.....	3.....
Calcutta.....	Nov. 28.....	681,560.....	522.....	14.....						42.....
Cartagena.....	Dec. 10.....	25,000.....	24.....							1.....
Catania.....	Dec. 15.....	113,000.....	119.....					1.....	1.....	9.....
Ceylon.....	Nov. 25.....	130,000.....	78.....							
Ceylon.....	Dec. 2.....	130,000.....	87.....							
Chatham.....	Dec. 31.....	10,000.....	2.....							
Chihunhua.....	Dec. 24.....	29,500.....	13.....							
Christiania.....	Dec. 16.....	161,151.....	75.....	1.....				1.....	1.....	
Ciencuengos.....	Dec. 30.....	23,000.....	20.....	1.....						
Coaticook.....	Dec. 30.....	2,500.....	1.....							
Cognac.....	Dec. 16.....	17,500.....	11.....				1.....		1.....	
Cognac.....	Dec. 23.....	17,500.....	7.....							
Cologne.....	Dec. 16.....	303,866.....	144.....					9.....	5.....	4.....
Copenhagen.....	Dec. 9.....	334,000.....	129.....				6.....		4.....	1.....
Crefeld.....	Dec. 23.....	108,000.....	70.....					4.....		
Curacao.....	Dec. 23.....	27,493.....	5.....							
Danzig.....	Dec. 16.....	121,000.....	105.....					1.....	4.....	1.....
Demerara.....	Oct. 7.....	53,174.....	25.....							
Demerara.....	Oct. 21.....	53,174.....	64.....							
Demerara.....	Oct. 28.....	53,174.....	39.....							
Dresden.....	Dec. 9.....	308,930.....	114.....				2.....	5.....		1.....
Dresden.....	Dec. 16.....	308,930.....	141.....					2.....	11.....	4.....
Dublin.....	Dec. 16.....		189.....				1.....	2.....	1.....	
Dundee.....	Dec. 23.....	157,289.....	82.....					2.....		5.....
Dunkirk.....	Dec. 25.....	140,000.....	29.....					2.....		2.....
Dusseldorf.....	Dec. 16.....	160,750.....	90.....						3.....	
Edinburgh.....	Dec. 16.....	267,672.....	126.....					1.....		4.....
Edinburgh.....	Dec. 23.....	267,672.....	105.....				1.....	3.....	1.....	2.....
Fayal.....	Dec. 9.....	23,382.....	2.....							
Flushing.....	Dec. 23.....	15,000.....	3.....							
Frankfort on the Main.....	Dec. 16.....	195,000.....	81.....					1.....	3.....	1.....
Frankfort on the Main.....	Dec. 23.....	195,000.....	63.....				1.....	8.....		1.....
Genoa.....	Dec. 23.....	182,143.....	118.....						5.....	
Gibraltar.....	Dec. 17.....	25,755.....	7.....					4.....		
Girgenti.....	Dec. 16.....	23,847.....	15.....				2.....			
Ghent.....	Dec. 23.....	151,811.....	85.....						3.....	2.....
Glasgow.....	Dec. 16.....	677,883.....	305.....					3.....	6.....	6.....
Glasgow.....	Dec. 23.....	677,883.....	288.....				2.....	5.....	3.....	12.....
Gothenburg.....	Dec. 9.....	108,000.....	52.....	2.....						
Gothenburg.....	Dec. 16.....	108,000.....	45.....	1.....					1.....	
Halifax.....	Dec. 30.....	38,700.....	20.....						1.....	
Hamburg.....	Dec. 9.....	620,000.....	292.....				2.....	1.....	12.....	1.....
Hamburg.....	Dec. 16.....	620,000.....	247.....				2.....	4.....	8.....	2.....
Hanover.....	Dec. 2.....	191,400.....	98.....							
Hanover.....	Dec. 9.....	191,400.....	84.....							1.....
Havana.....	Dec. 28.....	200,048.....	124.....	3.....	3.....		3.....		1.....	
Hiogo.....	Dec. 9.....	148,118.....	53.....						1.....	
Kanagawa.....	Dec. 12.....	126,685.....						2.....		
Kehl.....	Dec. 16.....	129,556.....	59.....				1.....	2.....	1.....	

## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Kingston, Canada.	Jan. 15...	19,264	14								
Konigsberg.	Dec. 23...	167,000		1	1				1	16	2
Leeds.	Dec. 23...	382,094	128					1	1		6
Leghorn.	Dec. 23...	103,166	36					1			
Leith.	Dec. 16...	70,972	29		3						
Leith.	Dec. 23...	70,972	31					1	1		2
Licata.	Dec. 16...	20,000	9					1	1		
Liege.	Dec. 10...	155,898	43					1			2
Liege.	Dec. 23...	155,898	51					1			
Liverpool.	Dec. 16...	510,480	311					1	9	2	6
Liverpool.	Dec. 23...	510,480	309				1	9	6	2	8
London, England.	Dec. 16...	5,633,806	2,401				2		21	29	45
Lyons.	Dec. 16...	500,000	171				2	1	7	1	1
Madrid.	Dec. 8...		19		9						
Magdeburg.	Dec. 9...	218,299	129								
Manchester.	Dec. 16...	517,700	269								
Manchester.	Dec. 23...	517,700	221								
Manila.	Nov. 25...	350,000	111					1	1		
Mannheim.	Dec. 16...	80,000									
Maracaibo.	Nov. 25...	40,000	18								
Maracaibo.	Dec. 2...	40,000	19								
Maracaibo.	Dec. 9...	40,000	29								
Maracaibo.	Dec. 16...	40,000	23								
Maracaibo.	Dec. 23...	40,000	23								
Marsala.	Dec. 16...	40,131	27								
Matamoras.	Dec. 19...	8,000	8								
Matanzas.	Dec. 27...	40,000	21								
Mayence.	Dec. 16...	72,280	39								
Mayence.	Dec. 23...	72,280	27								
Moscow.	Dec. 10...	800,000	471		3	4	7	12	1	2	
Moscow.	Dec. 17...	800,000	475		4	1	15	14			8
Munich.	Dec. 16...	390,000	212					3			13
Nagasaki.	Dec. 2...	61,999	3								
New Castle on Tyne.	Dec. 16...	197,026	78								2
New Castle on Tyne.	Dec. 23...	197,026	71					2	2		
Nogales.	Dec. 30...	1,200									
Odessa.	Dec. 9...	315,900	134	2		1	2	9	14	1	
Odessa.	Dec. 16...	315,900	168	1	4	2	8	10	2		
Osaka.	Dec. 8...	479,895									
Palermo.	Dec. 16...	250,000	114								
Para.	Nov. 19...	125,000	37					4			
Para.	Nov. 26...	125,000	41								
Para.	Dec. 3...	125,000	36								
Para.	Dec. 10...	125,000	38				2				
Para.	Dec. 17...	125,000	40				2				
Plymouth.	Dec. 16...	86,772	36								
Plymouth.	Dec. 23...	86,772	69								
Port Sarnia.	Dec. 30...	7,000	1								
Prague.	Dec. 9...	188,140	145								
Prague.	Dec. 16...	188,140	141					4			
Quebec.	Dec. 30...	70,000									
Rheims.	Dec. 23...	105,408	42					1			
Rio de Janeiro.	Dec. 9...	590,200	200	3	2		3				2
Rotterdam.	Dec. 23...	222,233	138			13	1				
Sagua la Grande.	Dec. 30...	18,109	15		1						
St. Georges.	Dec. 18...	15,013	3								
St. Georges.	Dec. 25...	15,013	1								
St. Petersburg.	Dec. 9...	1,000,000		8							
St. Petersburg.	Dec. 16...	1,000,000		74							
San Juan del Norte.	Dec. 23...	1,800	2				1				
Schiedam.	Dec. 23...	25,280	11								
Sheffield.	Dec. 23...	336,087	153					1	3	1	3
Sonneberg.	Dec. 10...	12,600	4								
Sonneberg.	Dec. 17...	12,000	10								
Southampton.	Dec. 16...	66,119	27								
Stettin.	Dec. 9...	122,000	69						1	3	
Stettin.	Dec. 16...	122,000	60					1			
Stockholm.	Dec. 16...	249,000	104								
Stuttgart.	Dec. 21...	139,659	76							7	
Sunderland.	Dec. 16...	134,515	49						1	1	
Sunderland.	Dec. 23...	134,515	49					4	1		

## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Tegucigalpa.....	Dec. 9....	12,000	5	.....	.....	.....	.....	.....	.....	.....	.....
Tegucigalpa..	Dec. 16....	12,000	4	.....	.....	.....	.....	.....	.....	.....	.....
Trapani.....	Dec. 16....	43,095	9	.....	.....	.....	.....	1	2	1	2
Trieste.....	Dec. 16....	158,314	99	.....	1	.....	1	1	6	2	.....
Tuxpan.....	Dec. 23....	9,000	13	.....	.....	.....	.....	.....	.....	.....	.....
Venice.....	Dec. 16....	160,814	83	.....	.....	2	.....	.....	.....	.....	1
Vera Cruz.....	Dec. 28....	25,500	32	.....	.....	.....	.....	.....	.....	.....	.....
Vienna.....	Dec. 2....	1,435,931	722	.....	1	.....	2	5	54	14	1
Warsaw.....	Dec. 9....	500,931	228	12	2	.....	5	5	9	.....	.....
Zurich.....	Dec. 16....	115,000	51	.....	.....	.....	.....	6	.....	2	.....

By authority of the Secretary of the Treasury:

WALTER WYMAN,  
*Supervising Surgeon-General Marine-Hospital Service.*

